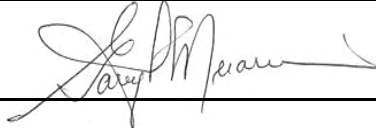

	OPERATING PROCEDURE	
	<i>CARDIAC EMERGENCIES</i>	
	<i>BRADYARRHYTHMIAS/ADVANCED HEART BLOCKS</i>	
	Effective Date: October 1, 1990	Revised: October 1, 2000
Approved By:		
Approved By Operational Medical Director:		

ALS ONLY

1. Connect patient to cardiac monitor and document rhythm strip.
2. Obtain 12 Lead EKG as soon as possible
3. Establish IV of 0.9% Sodium Chloride. Consider starting a second IV. Do not delay patient transport to obtain the additional IV access.
4. If patient presents with symptomatic Bradycardia administer ATROPINE:
 - Adult 0.5 mg IV push every 3 to 5 minutes as needed, not to exceed 0.03 to 0.04 mg/kg
5. If patient exhibits severe symptomatic Bradycardia, initiate emergency transcutaneous pacing (TCP). This may be initiated prior to, simultaneously with, or in place of the administration of ATROPINE. For 2nd or 3rd degree blocks, pacing may be more beneficial than ATROPINE. Denervated heart transplant patients will not respond to ATROPINE, utilize TCP immediately with these patients. Do not delay TCP in any patient in order to establish IV access.
6. Administer either MORPHINE or VALIUM as needed for patient comfort.

**DO NOT ADMINISTER MORPHINE AND VALIUM AT THE SAME TIME
PRIOR TO CONTACTING MEDICAL CONTROL.**

EITHER

7. Administer VALIUM for sedation during external cardiac pacing therapy.
 - Adult: 2 mg slow IV push. Repeat every 3-5 minutes as needed, not to exceed 10 mg.
 - Pediatric Consider dosage recommended by the Broselow Resuscitation Tape

OR

8. Administer MORPHINE for analgesia during external cardiac pacing therapy.
 - Adult: 2 mg slow IV push. Repeat every 3-5 minutes as needed, not to exceed 10 mg.
 - Pediatric: 0.1mg/kg IV/IO/IM/SQ

<i>CARDIAC EMERGENCIES</i>		
<i>BRADYARRHYTHMIAS/ADVANCED HEART BLOCKS (6.3.08A)</i>		
Effective Date: November 1, 1986	Revised: October 1, 2000	Page <u>2</u> of <u>2</u>

MEDICAL CONTROL ONLY

9. Administer DOPAMINE drip (200 mg/250 cc at 5 to 20 mcg/kg/minute.

10. Administer Epinephrine Infusion (1 mg. in 250 cc D₅W) at 2-10 mcg/minute.

11. Administer additional VALIUM or MORPHINE as needed for sedation and/or analgesia.